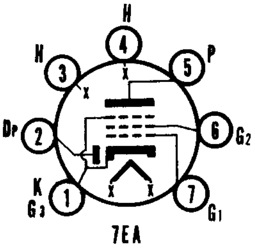


SYLVANIA TYPE 6CR6 12CR6

DIODE DETECTOR REMOTE CUTOFF PENTODE



MECHANICAL DATA

Bulb	T-5½
Base	E7-1, Miniature Button 7-Pin
Outline	5-2
Basing	7EA
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

	6CR6	12CR6
Heater Voltage	6.3	12.6 Volts
Heater Current	300	150 Ma
Heater-Cathode Voltage (Design Center Values)		
Heater Negative with Respect to Cathode		
Total D C and Peak		100 Volts Max.
Heater Positive with Respect to Cathode		
Total D C and Peak		100 Volts Max.

MAXIMUM RATINGS (Design Center Values)

Plate Voltage	300 Volts
Grid No. 2 Supply Voltage	300 Volts
Grid No. 2 Voltage	See 6AM8 Rating Chart
Plate Dissipation	2.5 Watts
Grid No. 2 Dissipation	0.3 Watt
Positive D C Grid No. 1 Voltage	0 Volts
Grid No. 1 Circuit Resistance	1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

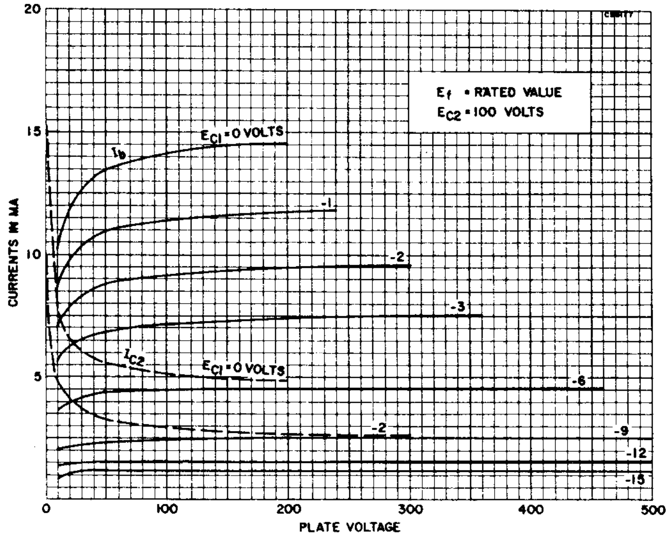
Class A_1 Amplifier

Plate Voltage	250 Volts
Grid No. 2 Voltage	100 Volts
Grid No. 1 Voltage	−2 Volts
Plate Current	9.6 Ma
Grid No. 2 Current	2.6 Ma
Transconductance	2200 μmhos
Plate Resistance (approx.)	0.8 Megohm
Grid No. 1 Voltage for Gm = μmhos (approx.)	−32 Volts
Minimum Diode Current with 10 Volts D C Applied	2 Ma

APPLICATION

The Sylvania Types 6CR6 and 12CR6 have a diode detector and remote cutoff pentode contained in one envelope. The pentode section is intended for use as an audio amplifier in which AVC voltage is applied to the No. 1 Grid for improved AVC operation in receivers.

AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

